

Application No.: 10/726995

Case No.: 59415US002

Amendments to the Claims:

Please cancel claim 12 without prejudice, and amend claims 1, 3, 13, 15, 17, and 20-25 as shown in the following claim listing:

1. (Currently amended) A light source, comprising:
an LED that emits excitation light;
a first flexible multilayer reflector that reflects at least a portion of visible light and transmits the excitation light; and
a layer of phosphor material adjacent the flexible multilayer reflector, the phosphor material emitting visible light when illuminated with the excitation light;
wherein the first flexible multilayer reflector comprises a polymeric material that resists degradation when exposed to blue, violet, or ultraviolet light.
2. (Original) The light source according to claim 1, wherein the first flexible multilayer reflector comprises a first polymeric multilayer reflector.
3. (Currently amended) ~~The~~ A light source according to claim 1, comprising:
an LED that emits excitation light;
a first flexible multilayer reflector that reflects at least a portion of visible light and transmits the excitation light; and
a layer of phosphor material adjacent the flexible multilayer reflector, the phosphor material emitting visible light when illuminated with the excitation light;
wherein the layer of phosphor material further comprises an adhesive.
4. (Original) The light source according to claim 1, wherein the flexible multilayer reflector comprises alternating layers of a first and second thermoplastic polymer and wherein at least some of the layers are birefringent.

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5. (Original) The light source according to claim 1, wherein the excitation light comprises UV light.
6. (Original) The light source according to claim 1, wherein the excitation light comprises blue light.
7. (Original) The light source according to claim 1, wherein the layer of phosphor material further comprises a binder material.
8. (Original) The light source according to claim 1, wherein the first flexible multilayer reflector comprises a polymeric material that resists degradation when exposed to UV light.
9. (Original) The light source according to claim 1, wherein the first flexible multilayer reflector is a polymeric material substantially free of inorganic materials.
10. (Original) The light source according to claim 1, wherein the first flexible multilayer reflector is disposed between the LED and the layer of phosphor material.
11. (Original) The light source according to claim 10, wherein the first flexible multilayer reflector reflects visible light and transmits UV light or blue light.
12. (Canceled)
13. (Currently amended) The light source according to claim ~~12~~10, wherein the first flexible multilayer reflector reflects yellow or red light and transmits UV, blue, or green light.
14. (Original) The light source according to claim 1, wherein the layer of phosphor material is coated on the first flexible multilayer reflector.
15. (Currently amended) The A light source according to claim ~~1~~, further comprising:

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an LED that emits excitation light;

a first flexible multilayer reflector that reflects at least a portion of visible light and transmits the excitation light;

a layer of phosphor material adjacent the flexible multilayer reflector, the phosphor material emitting visible light when illuminated with the excitation light; and

a layer of adhesive material disposed between the layer of phosphor material and the first flexible multilayer reflector.

16. (Original) The light source according to claim 1, wherein the layer of phosphor material is a discontinuous layer of phosphor material.

17. (Currently amended) The light source according to claim ~~[[1]]~~16, wherein the discontinuous layer of phosphor material is forms a plurality of dots ~~of phosphor material;~~

18. (Original) The light source according to claim 17, wherein each dot has an area of less than 10000 microns².

19. (Original) The light source according to claim 17, wherein the plurality of dots comprise phosphor material that emits red, green and blue light when illuminated with excitation light.

20. (Currently amended) The light source according to claim 1, further comprising:
a ~~second~~ multilayer interference reflector, wherein the layer of phosphor material is disposed between the first flexible multilayer reflector and the ~~second~~ multilayer interference reflector.

21. (Currently amended) The light source according to claim 20, wherein the ~~second~~ interference reflector reflects the excitation light onto the phosphor material and transmits the visible light.

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22. (Currently amended) The light source according to claim 20, wherein the ~~second~~ interference reflector reflects yellow or red light and transmits UV, blue, or green light.
23. (Currently amended) The light source according to claim 20, wherein the ~~second~~ interference reflector comprises a polymeric material that resists degradation when exposed to blue, violet, or UV light.
24. (Currently amended) The light source according to claim 20, wherein the ~~second~~ interference reflector is a ~~polymeric~~ material substantially free of inorganic materials.
25. (Currently amended) The light source according to claim 20, wherein the ~~second~~ interference reflector comprises alternating layers of a first and second thermoplastic polymer and wherein at least some of the layers are birefringent.
26. (Original) The light source according to claim 17, wherein at least a first phosphor dot emits light at a first wavelength and a second phosphor dot emits light at a second wavelength different than the first wavelength.